

Title (en)

WATER REPELLENT AND PRODUCTION PROCESS THEREFOR

Title (de)

WASSERABWEISENDES MITTEL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

AGENT D'HYDROFUGATION, ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 3460021 B1 20230628 (EN)

Application

EP 17799156 A 20170427

Priority

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- JP 2017016813 W 20170427

Abstract (en)

[origin: EP3460021A1] The present invention addresses the problem of providing a fluorine-free water repellent which can impart excellent initial water repellency and laundering-resistant water repellency to fibers of a wide range of kinds. The water repellent treatment agent is an aqueous emulsion which contains no fluorine-containing ingredient and comprises a hybrid emulsion that contains a water repellent component and a crosslinking component capable of reacting with the water repellent component, the two components being included in each particle. It is preferable that the crosslinking component be a blocked isocyanate. It is preferable that the water repellent component and the crosslinking component be contained in amounts of 20-90 mass% and 10-80 mass%, respectively, based on the solid components of the water repellent treatment agent.

IPC 8 full level

C08G 18/80 (2006.01); **C09K 3/18** (2006.01); **D06M 13/02** (2006.01); **D06M 13/395** (2006.01); **D06M 15/263** (2006.01); **D06M 15/564** (2006.01); **D06M 15/568** (2006.01); **D06M 15/643** (2006.01); **D06M 15/65** (2006.01)

CPC (source: EP KR)

C08G 18/80 (2013.01 - EP KR); **C09K 3/18** (2013.01 - EP KR); **D06M 13/02** (2013.01 - EP KR); **D06M 13/395** (2013.01 - EP KR); **D06M 15/263** (2013.01 - EP); **D06M 15/564** (2013.01 - EP KR); **D06M 15/568** (2013.01 - EP); **D06M 15/643** (2013.01 - EP KR); **D06M 15/6433** (2013.01 - EP); **D06M 15/6436** (2013.01 - EP); **D06M 15/65** (2013.01 - EP); **D06M 15/651** (2013.01 - EP); **D06M 15/652** (2013.01 - EP); **D06M 2200/12** (2013.01 - EP KR)

Cited by

EP4036304A1; EP4163350A4; US11746466B2; US11486088B2

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